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| **Suppl 1. The overlap propensity score weighted characteristics of mechanically ventilated hospitalizations** |
| **with COVID-19 and influenza** |  |  |  |  |  |

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| --- | --- | --- | --- |
| **Variables** | **COVID-19a** | **Influenza** |  |
|  | **n = 19,659**  | **n = 2,536**  |  |
| **Age, years (%)** |  |  |  |
|  18-44 | 10.8 | 10.8 |  |
|  45-64 | 31.1 | 31.1 |  |
|  ≥ 65 | 58.1 | 58.1 |  |
| **Gender (%)** |  |  |  |
|  Female | 47.0 | 47.0 |  |
|  Male | 42.6 | 42.6 |  |
|  Suppressedb | 10.4 | 10.4 |  |
| **Race/ethnicity (%)** |  |  |  |
|  White | 53.2 | 53.2 |  |
|  Hispanic | 21.8 | 21.8 |  |
|  Black | 17.9 | 17.9 |  |
|  Other | 7.0 | 7.0 |  |
| **Health insurance (%)** |  |  |  |
|  Private | 41.7 | 41.7 |  |
|  Medicare | 36.5 | 36.5 |  |
|  Medicaid  | 8.6 | 8.6 |  |
|  Uninsured | 10.1 | 10.1 |  |
|  Other | 2.5 | 2.5 |  |
|  Missing | 0.5 | 0.5 |  |
| **Deyo comorbidity indexc** | 2.55 | 2.55 |  |
| **Comorbid conditions (%)** |  |  |  |
|  Diabetes | 40.6 | 40.6 |  |
|  Liver disease | 5.7 | 5.7 |  |
|  Malignancy | 6.6 | 6.6 |  |
|  Congestive heart failure | 47.8 | 47.8 |  |
|  Chronic lung disease | 50.1 | 50.1 |  |
|  Myocardial infarction | 18.4 | 18.4 |  |
|  Peripheral vascular disease | 4.1 | 4.1 |  |
|  Dementia | 7.3 | 7.3 |  |
|  Peptic ulcer disease | 1.5 | 1.5 |  |
|  Hemiplegia/paraplegia | 2.1 | 2.1 |  |
|  HIVd | 0.8 | 0.8 |  |
|  Cerebrovascular disease | 7.4 | 7.4 |  |
|  Chronic renal disease | 25.3 | 25.3 |  |
|  Rhumatological disease | 4.1 | 4.1 |  |
|  Obesity | 30.8 | 30.8 |  |
|  Tobacco use  | 17.4 | 17.4 |  |
|  Alcohol use | 4.8 | 4.8 |  |
|  Substance use | 5.9 | 5.9 |  |
| **Number of organ dysfunctionsc** | 2.26 | 2.26 |  |
| **Hemodialysis (%)** | 5.2 | 5.2 |  |
| **ECMOe (%)** | 0.1 | 0.1 |  |
| **Do-not-resuscitatef (%)** | 22.6 | 22.6 |  |
| **Palliative care (%)** | 14.9 | 14.9 |  |
| **Teaching hospital (%)** | 26.4 | 26.4 |  |
| **Hospital admission period (%)** |  |  |  |
|  Fourth quarter 2021 | 8.3 | 8.3 |  |
|  First quarter 2022 | 18.1 | 18.1 |  |
|  Second quarter 2022 | 10.6 | 10.6 |  |
|  Third quarter 2022 | 5.9 | 5.9 |  |
|  Fourth quarter 2022 | 34.1 | 34.1 |  |
|  First quarter 2023 | 23.0 | 23.0 |  |
| a COVID-19: coronavirus disease 2019 |  |  |
| b The State of Texas suppresses gender data of hospitalizations with human immunodeficiency virus infection,  |
|  alcohol use, and substance use |  |  |  |
| c mean value |  |  |  |
| d HIV: human immunodeficiency virus |  |  |
| e ECMO: extracorporeal membrane oxygenation |  |  |
| f Do-not-resuscitate: a do-not-resuscitate state |  |  |